

Data sheet

HP ZBook 15 G2 Mobile Workstation



QEB2016-A

Be productive in the office or in the field. Take advantage of the HP ZBook 15 G2's powerful processing and graphics, simple scalability, and blazing-fast connectivity to perform and collaborate at the speed of creativity.



HP ZBook 15 G2 Mobile Workstation

Work smarter

- Work anywhere and be confident the power you need is at your fingertips. The ZBook 15 G2 is our most versatile mobile workstation with Windows 10 or Windows 7,¹ Intel® Core™ i7 processors² professional graphics, and lasting battery life.

Be professional

- Look stylish and confident carrying the HP ZBook 15 G2. Project a professional image at the office, client meetings, and on the road without sacrificing durability in a lightweight chassis.

Featuring:

- Rest easy with a ZBook 15 G2 that has ISV Certifications and has undergone 115,000 hours of the HP Total Test Process.
- Confidently take on your workday with the durable and reliable HP ZBook 15 G2 Mobile Workstation that passed MIL-STD-810G testing for drop, vibration, shock, high temperature, low temperature, temperature shock, dust, altitude, and humidity³
- Customize the HP ZBook 15 G2 to meet your demands. Keep large files at your fingertips without sacrificing performance.
- Handle large files, reduce work time, and increase performance with the HP Z Turbo Drive.
- Run the same demanding professional applications as a desktop workstation without dropping performance. ISV certified AMD FirePro™ graphics options offer large GPU memory with fast bandwidth.



Specifications

HP ZBook 15 G2 Mobile Workstation

G7T34AV

Operating System¹	Windows 10 Enterprise 64-bit Preloaded SDC 5.x with Office Suite (Default)
Processor²	4th Generation Intel® Core™ i7-4710MQ (2.5 GHz, 6 MB L3 cache, 4 cores/8 threads, 47W); Up to 3.50 GHz with Intel® Turbo Boost Technology
Memory	8 GB (1x8 GB) 1600 DDR3L, 4 SODIMM slots with Quad-core processor, supporting dual-channel memory; max capacity 32 GB
Display	15.6 inch diagonal LED-backlit FHD with standard viewing angle (SVA) eDP Anti-Glare (1920 x 1080); 300 nits
Hard Drive⁴	500 GB 5400 rpm FIPS 140-2 Certified Self Encrypting Drive (SED), NIST Certificate 1451; ATA-8, SATA 2.6, 3.0 Gb/s.
Graphics	AMD FirePro™ M5100 with 2 GB dedicated GDDR5 video memory with 1 VGA and 1 DisplayPort. Included DisplayPort M to DVI F Adapter; Microsoft DirectX 11.1 (Shader Model 5.0) and OpenGL 4.2 capable G3D
Communications⁵	Intel® I217-LM Gigabit Network Connection; Intel® Dual Band Wireless-AC 7260 802.11 ac (2x2) WiFi + Bluetooth® 4.0 combo Adapter where Wireless LAN and Bluetooth® can be independently disabled in the BIOS
Power	Dual voltage (110-240V 50/60 Hz) autosensing; 150W AC adapter; 8 cell 83 Whr Lithium-Ion Battery
Warranty	4 year next business day on-site with hard drive retention
Energy Efficiency Compliance	EPEAT® Gold registered
Security	Trusted Computing Group certified Trusted Platform Module (TPM) version 1.2 - Infineon SLB9635TT1.2, BIOS protection as identified in NIST SP 800-147, BIOS settings comply.
Removeable Media	SATA SuperMulti DL Drive, DVD+/-R 8X, DVD+RW 8X, DVD-RW 6X, CD-R 24X, CD-RW 24X, DVD +/- R DL 6X
Audio	DTS Studio Sound™ HD audio optimized for high fidelity audio (Realtek ALC3228)
Webcam	Integrated 720p HD webcam
I/O Ports and Connectors	(1) VGA, (1) DisplayPort v1.2, (1) Thunderbolt 2, (1) Stereo microphone in/headphone-out combo jack, (1) Power Connector, (1) Secondary Battery Connector, (1) Docking Connector, (1) RJ-45 (Ethernet), (2) USB 3.0, (1) USB 3.0 Charging Port, (1) USB 2.0, (1) Security lock slot; Digital Media Slots: (1) ExpressCard / 54 slot (Supports ExpressCard/54), (1) SD UHS-II Flash Media slot (Supports next generation SD (Secure Digital), backward compatible to SDHC, SDXC), (1) Fingerprint Reader, Integrated Smart Card Reader (Compatible with ISO 7816 compliant Smart Cards PC/SC interface support; FIPS 201-1 certified and on FIPS 201 Approved Products List
Dimensions (W x D x H)	1.2 in (at front)/1.4 in (at rear) x 15.0 in x 10.1 in
Weight	Starting at 6.45 lb with optical drive

Options	Part Number	Description
	N3G80AV#ABA	Windows 7 Enterprise 64-bit (available through downgrade rights from Windows 10 Enterprise 64-bit) ⁷ 64-bit SDC 3.x with Office Suite
	N3G78AV#ABA	OEM Windows 10 Pro 64-bit ¹ (Non-Network Use Only) - USAF will allow system to be restored through restore partition that resides on hard drive. In the event of a hard drive failure, the USAF will allow restore media to be provided without customer requesting it.

Options (continued)	Part Number	Description
	N3G80AV#ABA / N3R57AV, J6W72AV / J6W71AV#ABA	OEM Windows 7 Professional 64-bit (available through downgrade rights from Windows 10 Pro 64-bit) ⁸ (Non-Network Use Only)
	G7T60AV / G7T62AV	Remove integrated webcam
	G7T68AV	16 GB (2x8 GB) 1600MHZ DDR3L
	G7T70AV	32 GB (4x8 GB) 1600MHZ DDR3L
	G7T48AV / E9Z36AV	4th Generation Intel® Core™ i7-4910MQ (2.9 GHz, 1600MHz, 8 MB L3 cache, 4 cores, 47W); Up to 3.90 GHz with Intel® Turbo Boost Technology
	A7E35AV#ABA	HP 230W Docking Station: 1 DisplayPort 1.2, 1 VGA, and 1 DVI-D connector; 4 USB 3.0 ports (3 Always-On, 1 powered); HP 230W Smart AC Adapter; Audio and Ethernet ports, Line-in jack, headphone jack, DisplayPort to DVI adapter included in base



- 1 Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com/>
- 2 Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
- 3 Testing was not intended to demonstrate fitness for Department of Defense contracts requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental Damage, including under these MIL STD test conditions, requires an optional HP Accidental Damage Protection Care Pack.
- 4 For hard drives and solid statedrives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) of system and up to 36GB (for Windows 8) disk is reserved for system recovery software.versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
- 5 Requires wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
- 6 EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- 7 This system is preinstalled with Windows 7 Enterprise software and also comes with a license and media for Windows 10 Enterprise software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
- 8 This system is preinstalled with Windows 7 Professional software and also comes with a license and media for Windows 10 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

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